

Comprehensive Programme

winterhalter®

Professional warewashing solutions
for hygienically clean wash results



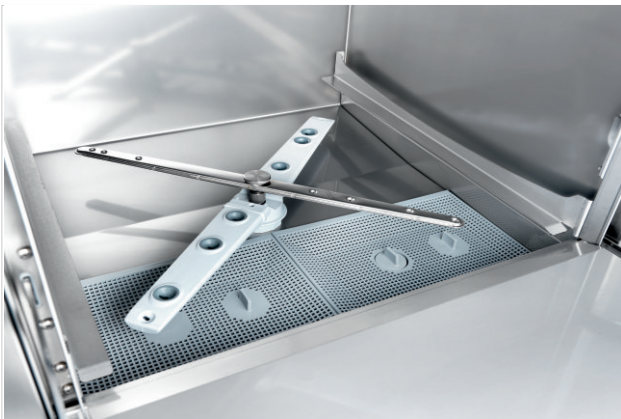
U50

Undercounter warewasher

winterhalter®

Robust construction and the best cleaning results

The U50 is a robust undercounter warewasher from the Winterhalter ValueLine that delivers the best cleaning results. It is easy to operate provides with efficient operation and is easy to maintain. Additionally, U50 is characterised by reduced noise levels. Users can trust in its level of efficiency, hygiene and reliability. This makes the U50 extremely attractive for professionals in search of an economical and practical solution for their growing warewashing needs.



Easy to operate

- Simple, clear with colour-coded controls made from robust CN-switches
- Integrated temperature displays for tank and boiler
- Self explanatory operation
- Electro mechanical control
- Ergonomic door handle



Excellent results and perfect hygiene

- Rotating top and bottom wash system for optimum coverage
- Wash and rinse arms easily removable by hand for cleaning
- Hygiene rack guide
- Removable rack guides offer better access for cleaning and maintenance



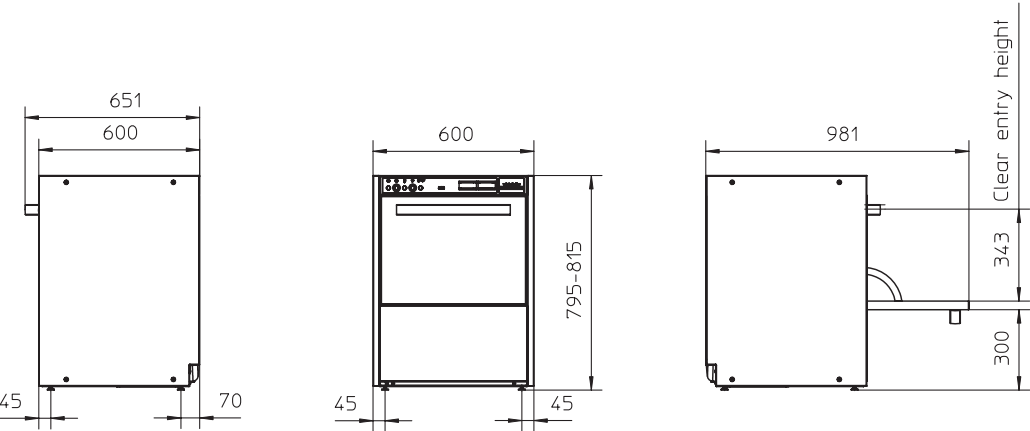
Economical to run

- Full coverage filtration system – less water changes due to cleaner wash water
- Low capacity wash tank for quicker start-up and lower bills
- Double walled door with solid construction reduces noise and heat emission

Technical Data

U50		
Number of programmes		1
Theoretical capacity	[racks/h]	30
Water consumption		
Tank capacity	[l]	18
Rinse water consumption per cycle	[l]	2.7
Temperatures		
Tank temperature	[°C]	62
Rinse temperature	[°C]	85
Electrical specifications		
Total connected load		
Three-phase AC	[kW]	6.84
Alternating current	[kW]	6.84
Fuse protection		
Three-phase AC	[A]	16
Alternating current	[A]	32
Circulating pump (P1)	[kW]	0.84
Tank heating	[kW]	2
Boiler heating	[kW]	6
Other information		
Max. water inlet temperature	[°C]	60
Required water flow pressure for pressure boiler	[bar]	2
Required water flow pressure for non pressurized boiler	[bar]	1
Splash guard		IP X3
Weight, net/gross	[kg]	66/71

Dimensions



- Under Counter Warewashers

UC Series

UC Series is the perfect warewashing solution for the counter area.

Special defined programmes, adjustable wash components and clear communication platform ensure perfect outcome every wash.

Glasswashers, dishwashers, bistro dishwashers and cutlery washers that all come in sizes S, M, L and XL. One must fit your space and purpose.



The new UC-Series was tested along with other manufacturers' dishwashers by the LGA (TÜV Rheinland, Germany) an independent testing institute, and was certified to deliver the best dishwashing results in the under counter dishwasher class



Top Features

- Elliptical wash fields with special jet geometry
- VarioPower system with adjustable wash pressure
- 4-fold filtration system with sieve, strainer, pump inlet filter and Mediamat centrifugal filter
- Clouding sensor for wash water
- Double skinned doors
- Deep-drawn hygienic tank and rack guide
- Protected tank heater
- Thermostop for hygiene safety
- Integrated drain pump and rinse booster pump
- Touchscreen display and error pictograms
- Colour-coded single-button control with progress display
- Programmable glass, dish, bistro, cutlery or 3D glasses washing functions
- Display of tank and boiler temperatures
- PIN-protected chef level and service technician level
- Integrated error logbook and operation logbook
- Integrated operating instructions and washing tips
- Wash programme customizable via parameters
- Short programme for time in need of higher capacity
- Intensive programme for heavily soiled dishes
- Basic cleaning programme for removal of very tough stains
- Self-cleaning and Descaling programme
- Special Silent Programme and ECO programme
- Time-controlled automatic start-up
- Maintenance interval indicator
- Separate container empty indicator for detergent & rinse aid





Special options for special needs

3D glasses washing programme

is the handy and hygienic solution to cleaning of sensitive 3D glasses.

Glass door & interior lightings

creates unique visual highlight for bars & clubs, adds to the mood.

Double rack system

boosts washing capacity for cafes & lounges, saves time & running costs

Circulating air heat exchanger

reduces energy consumption and steam emission into the atmosphere.

Technical Data	UC - S	UC - M	UC - L	UC - XL
Number of programmes	Up to 3 (+ special programmes)			
Theoretical Capacity [racks/hr.]	See below table			
Width [mm]	460	600	600	600
Depth				
- incl. detergent container [mm]	637	637	637	671
- with open door [mm]	940	940	1034	1068
Height with feet ²	725-760	725-760	820-855	820-855
- with Energy design [mm]	810-845	810-845	905-940	905-940
Clear input height	309	309	404	404
Rack dimensions	400 X 400	500 X 500	500 X 500	500 X 500/540
Tank capacity	9.5	15.3	15.3	15.3
Rinse water requirement per cycle ³	See below table			
Circulating pump [P1]	0.6	0.6	0.6	0.6
Maximum water inlet temperature [°C]	60	60	60	60
Required water flow pressure [bar/kPa]	0.8 - 6.0 / 80 - 600			
Splash guard				
- with plastic back panel	IP X3	IP X3	IP X3	IP X3
- with stainless steel back panel (option)	IP X5	IP X5	IP X5	IP X5
Weight net / gross [kg]	59 / 68	64 / 74	69 / 79	69 / 79
- with Energy design net / gross [kg]	64 / 73	70 / 80	75 / 85	75 / 85

1 Customer's circumstance (water inlet temperature / electrical connection), may reduce the values stated here.

2 Adjustable feet enable the vertical dimensions to be raised by up to 35 mm.

3 Under ideal conditions. The rinse water consumption depends on circumstances at the customer's premises.

Technical Data	Glasswashers	Dishwashers	Bistro Dishwashers	Cutlery Washers
Theoretical capacity				
Washing programmes 1/2/3 [racks/hr.]	22/32/48	40/28/24	40/32/28	11
Short programmes [racks/hr.]	77	65	66	21
Rinse water requirement per cycle* [l]	2.4	2.4	2.4	3.4
Rinse temperature [°C]	65	85	65-85	86
Tank temperature [°C]	62	62	62	69

* Under ideal conditions. The rinse water consumption depends on circumstances at the customer's premises. Fine adjustment is made at commissioning.

Voltage	Fuse Protection	Tank Heating	Total Connected Load	Boiler Heating	Circulating Pump (P1)	Countries
380 V - 415 V / 3N ~	16 A	2.0 kW	7.9 kW	5.3 kW	600 W	Worldwide
220 V - 240 V / 1N ~	16 A	2.0 kW	3.2 kW	2.6 kW	600 W	

P50

Pass-through warewasher

Excellent results in the shortest time

The ValueLine P50 delivers excellent cleaning results quickly and effectively. It is easy to operate and users can trust in its level of efficiency, hygiene and reliability. This makes the P50 extremely attractive for professionals in search of an economical and practical solution for their growing warewashing needs.



Easy to operate

- Clear colour-coded digital display
- 2 wash programmes
- Digital tank and boiler temperature display
- Error management system with pictograms and error logbook
- Thermostop controlled rinse temperature
- Automatic hood start
- Self-cleaning programme



Excellent results and hygienic design

- Rotating top and bottom wash system for optimum coverage
- Triple filtration system ensures extended lifecycle of tank water
- Wash and rinse arms easily removable by hand for cleaning
- Deep drawn tank for optimal hygiene
- Hygiene rack guide



Economical to run

- Short wash cycle
- Reduced heating time
- Low total connected load at 3-ph 20 Amp
- Low fresh water consumption
- Optional integrated waste water heat exchanger with additional 1.7 kW heating power helps to save energy costs

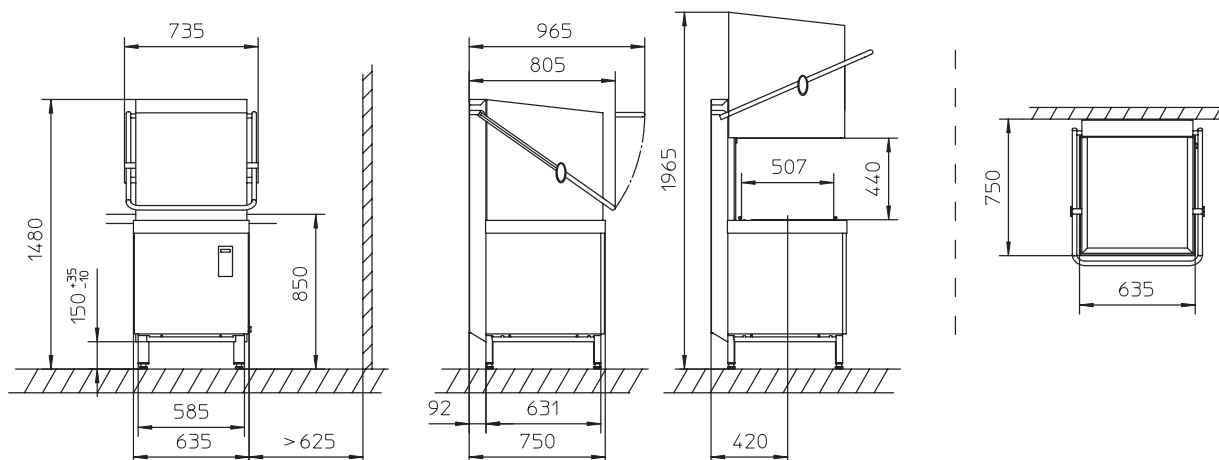
Technical Data

P50		
Number of programmes		2
Theoretical capacity (Standard / High Temp)	[racks / h]	60 / 20
Rack dimensions	[mm]	500 x 500
Tank capacity	[l]	28
Tank temperature	[°C]	62
Tank heating	[kW]	2.5
Boiler heating	[kW]	9.0
Rinse water consumption	[l / rack]	2.4
Final rinse temperature	[°C]	85
Circulating pump		
Volume circulated	[l / min]	210
Output (p1)	[kW]	0.6
Noise emission	[dB(A)]	max. 63
Splash guard		IP X3
Minimum flow pressure	[kPa / bar]	100 / 1.0
Maximum inlet pressure	[kPa / bar]	600 / 6.0
Rate of flow	[l / min]	min. 4
Water inlet temperature	[°C]	max. 60
Weight (net / gross)	[kg]	98 / 123
Packaging dimensions (W x D x H)	[mm]	770 x 880 x 1605

Electrical specifications

Supply	Fuse	Total connected load
400 V/3N~/50 60 Hz	16 A 20 A	9.3 kW 11.8 kW
230 V/3N~/50 60 Hz	25 A 32 A	9.3 kW 11.8 kW

Dimensions



PT Series

The PT Series – a new generation of Winterhalter pass-through dishwashers – sets the market standard. It delivers brilliant washing results, offers superior speed and guaranteed economy.



The cleaning result of the PT-M was certified by the independent testing institute TÜV Rheinland LGA Products GmbH, Germany



Top Features	PT-500	PT-M/L/XL
Elliptical wash fields with special jet geometry	•	•
VarioPower system with adjustable wash pressure		•
Full-flow filtration with tank cover, filter cylinder, pump inlet filter with safety prompt and Mediamat centrifugal filter		•
4-fold filtration system with sieve, strainer, pump inlet filter and Mediamat centrifugal filter	•	
Clouding sensor for wash water		•
Double skinned hood with lock position and automatic hood start function		•
Single skinned hood with lock position and automatic hood start function	•	
Active energy management system for reduced heating time and cycle time	•	•
EnergyLight waste water heat recovery		•
Thermostop for hygiene safety	•	•
Leak sensor for operation safety	•	•
Integrated drain pump and rinse booster pump	•	•
Special Silent Programme and ECO programme		•
Touchscreen display		•
Colour-coded single-button control with progress display	•	•
Programmable glass, dish, bistro or cutlery washing functions		•
Display of tank and boiler temperatures	•	•
PIN-protected chef level and service technician level	•	•
Integrated error logbook and error pictograms	•	•
Integrated operation logbook		•
Integrated operating instructions and washing tips		•
Wash programme customizable via parameters	•	•
Short programme for time in need of higher capacity	•	•
Intensive programme for heavily soiled dishes	•	•
Basic cleaning programme for removal of very tough stains		•
Guided Self-cleaning and Descaling programme to aid machine maintenance		•
Standard self-cleaning programme to aid machine maintenance	•	
Special Silent Programme and ECO programme		•
High-Temp Programme (Thermal label compliant)	•	•
Time-controlled automatic start-up and automatic shut-down		•
Maintenance interval indicator		•
Separate container empty indicator for detergent & rinse aid		•
Stainless steel back and bottom cover	•	•



Technical Data		PT-500	PT-M	PT-L	PT-XL	
Number of programmes		Up to 3 (+ special programmes)				
Theoretical Capacity	[racks/hr.]	Differs depending on software, see below table				
Water consumption						
Tank capacity	[l]	35	35	35	35	
Rinse water consumption per cycle	[l]	2,4/2,4/3,8	2,4	2,4	2,4	
Temperatures						
Tank temperature	[°C]	Differs depending on software, see below table				
Rinse temperature	[°C]	Differs depending on software, see below table				
Dimensions						
Width	[mm]	635	635	735	735	
Depth	[mm]	750	750	750	750	
Height with hood closed	[mm]	1.485	1.515	1.515	1.635	
Height with hood open	[mm]	1.965	1.995	1.995	2.115	
Height for EnergyPlus design	[mm]	-	2.195	2.195	2.435	
Working height	[mm]	850	850	850	850	
Clear entry height	[mm]	440	440	440	560	
Rack dimensions		500 x 500	500 x 500	500 x 600	500 x 600	
Electrical specifications						
Total connected load		Differs by country and fuse protection, see below table				
- Three-phase AC	[kW]					
- Alternating current	[kW]	Differs by country and fuse protection, see below table				
Fuse protection	[A]	Differs by country and fuse protection, see below table				
Circulating pump (P1)	[kW]	0,75	1,0	1,5	1,5	
Tank heating	[kW]	2,5	2,5	2,5	2,5	
Tank heating for Cool design	[kW]	-	2 x 2,5	2 x 2,5	2 x 2,5	
Boiler heating		Differs by country and fuse protection, see below table				
- Three-phase AC	[kW]					
- Alternating current	[kW]	Differs by country and fuse protection, see below table				
Other information						
Max. water inlet temperature		60	60	60	60	
Required water flow pressure	[bar/kPA]	1,0-6,0 / 100-600				
Water flow pressure required	[bar/kPA]	1,5-6,0 / 150-600				
for EnergyPlus design		-				
Splash guard		IP X5	IP X5	IP X5	IP X5	
Weight, net/gross	[kg]	103 / 128	134 / 159	134 / 165	140 / 171	
- With EnergyPlus design, net/gross	[kg]	-	157 / 185	157 / 196	173 / 207	

1 Customer's circumstance (water inlet temperature / electrical connection), may reduce the values stated here.

2 Adjustable feet enable the vertical dimensions to be raised by up to 35 mm.

3 Under ideal conditions. The rinse water consumption depends on circumstances at the customer's premises.

Technical Data	PT-500	PT-M / L / XL			
	Dishwashers	Glasswashers	Dishwashers	Bistro Dishwashers	Cutlery Washers
Theoretical capacity					
Washing programmes 1/2/3 [racks/hr.]	68/30/20	22/32/48	44/32/22	28/32/40	11
Short programmes [racks/hr.]	68	77	72	72	21
Rinse water requirement per cycle* [l]	2.4/2.4/3.8	2.4	2.4	2.4	4.0
Rinse temperature [°C]	85	65	85	85	86
Tank temperature [°C]	62/62/66	62	62	62	69

* Under ideal conditions. The rinse water consumption depends on circumstances at the customer's premises. Fine adjustment is made at commissioning.

Voltage	Fuse Protection	Total connected load with 10,8 kW boiler heating element
380 V / 3N~ / 50 – 60 Hz	16 A	8,3 kW
400 V / 3N~ / 50 – 60 Hz	16 A	9,1 kW
	25 A	13,2 kW
	32 A	14,7 kW
415 V / 3N~ / 50 – 60 Hz	15 A	9,5 kW
	16 A / 20 A	9,7 kW
	25 A	14,2 kW
	32 A	15,7 kW

- Single Tank Rack Conveyor Dishwashers

STR Series

Optimum power -minimum space
Performance at your fingertips

The STR combines performance and flexibility in one machine. It delivers the power you need at busy times, and saves energy when it's quiet.

Top Features

- 180° pivoting double skinned door
- Deep-drawn hygienic tank
- Rack-controlled zone activation
- 2 transport speeds
- Electronic control unit with a colour-coded display
- Error management System
- Display of tank and boiler temperatures
- Filtration system with strainer, pump filter and Mediamat centrifugal filter
- Rinse booster pump
- Drain pump
- Table end switch
- Stainless steel back panel and base cover

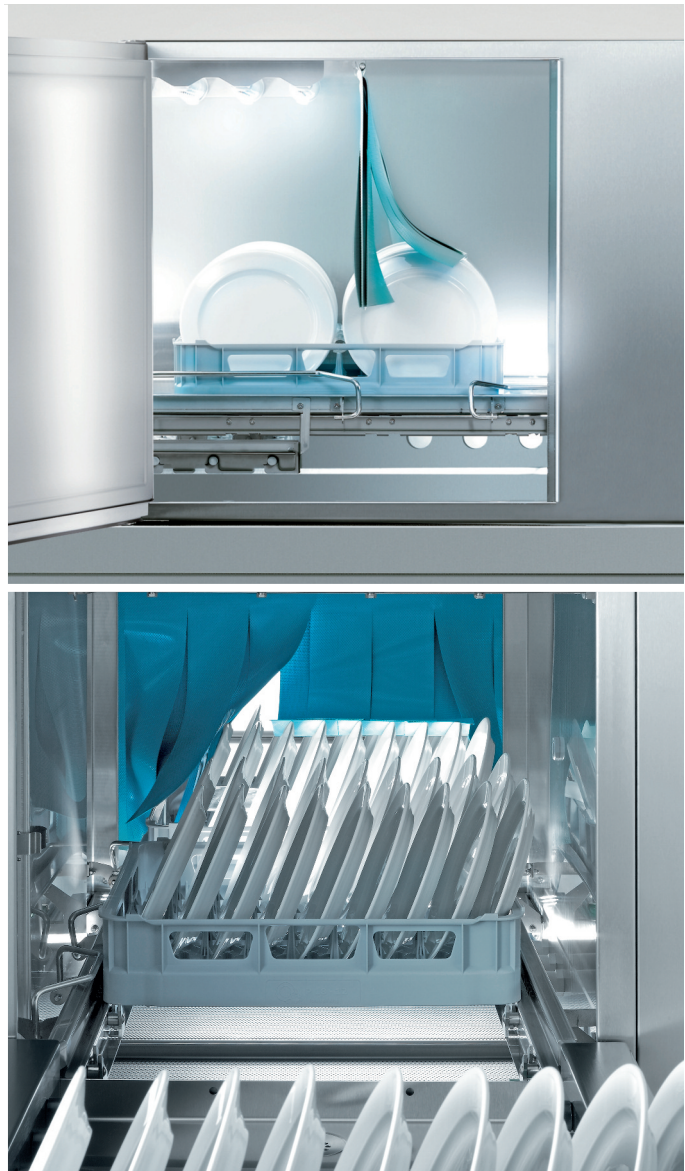


STR 155 / STR 208

- Minimised rinse water volume
- Continuous cleaning of tank water by Mediamat
- Easy operation
- Smooth, seamless surfaces with deep-drawn hygienic tank
- Optimum accessibility
- Controlled hygiene through temperature display, error management, etc
- Dryer option available

STR 200 / STR 260

- With integrated pre-cleaning zone
- Delivers even more capacity and flexibility
- Innovative processes ensure good wash result with minimum running cost



Technical Data		STR 155	STR 208	STR 200	STR 260
Theoretical Capacity	[racks/hr.]	100 / 155	130 / 208	130 / 200	170 / 260
Width	[mm]	1300	1300	1600	1600
Depth	[mm]	800	800	800	800
Height	[mm]	1420	1420	1420	1420
Passage width for racks	[mm]	500	500	500	500
Clear entry height, max.	[mm]	460	460	460	460
Pre-cleaning and washing zone					
Pump output	[kW]	1.7	1.7	2.0	2.0
Tank temperature	[°C]	55 - 65	55 - 65	55 - 65	55 - 65
Rinse zone					
Circulating pump capacity output	[kW]	0.2	0.2	0.2	0.2
Rinse water consumption per hour*	[l/h]	260	350	260	350
Boiler temperature for rinsing	[°C]	80 - 85	80 - 85	80 - 85	80 - 85
Drying zone (optional)					
Heating capacity	[kW]	4.0	4.0	4.0	4.0
Fan motor	[kW]	0.5	0.5	0.5	0.5
Connection Figure					
Minimal water inlet temperature		10	30	10	30
Total connected load with water inlet temperature 31-61 °C	[kW]	30.7	36.7	33.0	39.0
Total connected load with water inlet temperature 10-30 °C	[kW]	36.7	-	39.0	-

MT Series

Hygiene & economical on a large scale. The MT Series represents Winterhalter's washing expertise on a grand scale. Both the flight-type and rack conveyor dishwashers are focused on hygiene and economy.

Thanks to their modular design and practical equipment options, both machines can be individually adapted to each site's washing requirements.



Top Features

- 180° pivoting double skinned door
- Deep-drawn hygienic tank
- Content-controlled zone activation
- 3 transport speeds
- Multifunctional Touchscreen
- PIN-protected chef level and service technician level
- Error management System with error logbook
- Integrated operation logbook
- Display of tank and boiler temperatures
- Filtration system with strainer, pump filter and Mediamat centrifugal filter
- Triple rinse system
- Rinse booster pump
- Drain pump
- Time-controlled start-up
- Automatic self-cleaning system
- Interior roof cleaning system
- Exhaust air system with grease filter
- Emergency Switch
- Table end switch
- Stainless steel back panel and base cover



MTR

The MTR with its rack conveyor transport is designed for the dishwashing needs of hotels, restaurants, service stations, staff restaurants, and care facilities. Irregular dishwashing load, variable washing times and a wide variety of items to be washed are characteristic features of these operations.

MTF

The MTF with flight-type transport is used in large cafeterias, hospitals, canteens, and care facilities. In these cases the washing requirement can be predicted fairly accurately because of the set washing times, uniform nature of the set washing times, uniform nature of the items to be washed and even a continuous dishwashing load.

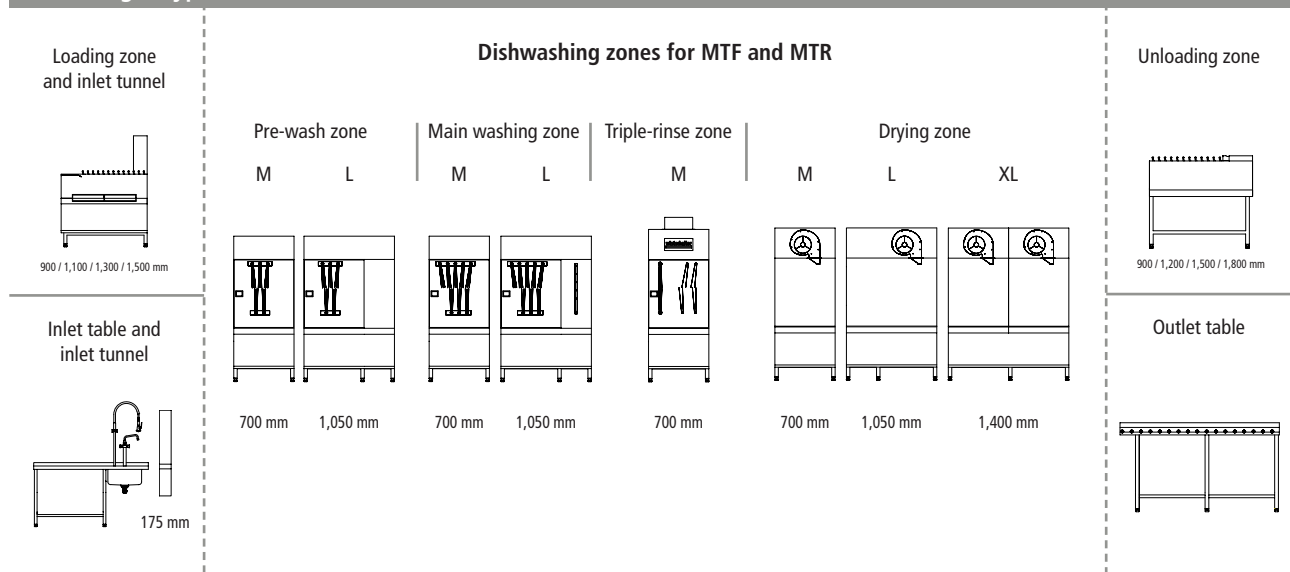
Good planning - Smooth running

Perfect dishwashing starts with good planning. Winterhalter can offer expert assistance in achieving this. After all, our objective is to achieve a long-lasting improvement in the efficiency of the dishwashing process.

Can be configured exactly to your requirements - the building blocks for your perfect multi tank dishwasher.



MTF – Flight-type dishwasher



MTR – Rack conveyor dishwasher

Technical Data	MTR (with rack conveyor)	MTF (without flight-type conveyor)
Dishwashing programmes	3 (intensive, standard, fast)	3 (intensive, standard, fast)
Depth of machine	800mm	800mm
Loading width	500mm	610mm
Loading height (max)	460mm	440mm

UF Series

Stubborn dirt on heavy and large utensil?

Combined with the high performance washing system and the innovative TurboZyme process, best wash result is achieved even with most stubborn dirt.

Regardless if you are a baker, butcher or caterer - UF Utensil washer with targeted group specific software comes with size M, L and XL models, The right solution for every kitchen.

The UF Series delivers excellent wash result, ergonomic design and maximum efficiency.



Top Features

- Target group specific software versions for baker, butcher, universal
- UF-Turbozyme: soaking-programme with target group specific crust cracker
- High performance washing system with VarioPower
- Intelligent wash water filtration system incl. Mediamat
- Fast tank water exchange programme in three closable steps
- Clouding sensor
- Down-foldable door
- Foldable rack
- Rack dolly UF
- Additional start button on ergonomic height
- Touch screen display
- Colour-coded single-button control with progress display
- Basic cleaning programme
- Guided self-cleaning and descaling programme to aids machine maintenance
- Time controlled automatic start-up and shut-down
- Active energy management
- Container empty indicator for up four containers
- Maintenance interval indicator
- PIN-protected chef and service technician level
- Integrated hygiene and operating logbook
- Animated operating instruction and washing tips
- Double-skinned machine construction / door construction with sealing
- Door vent position
- Hygienic rack guide
- Tank heater with resettable thermal fuse
- Heat recovery Energy
- High Temp version (Thermal label programme)
- Soft start for washing pump
- Drain pump & Rinse booster pump (rinsing pump)
- Leak sensor for operation safety



GS 630

- The world's smallest utensil washer
- The ideal utensil washer when space is at a premium
- Can even accommodate bulky items (up to 600 x 400 mm)
- Can be installed under the counter, and is easy to operate
- Effective reversing washing system for more stubborn soiling
- If required, the GS 630 also offers programs to wash dishes, cutlery and glasses, with some restrictions



GS 630

TECHNICAL DATA					
UF Series		GS 630	UF-M	UF-L	UF-XL
Theoretical capacity	[Racks / h]	38/29/12	See Below Table		
Number of programmes		3	3	3	3
Tank capacity	[l]	25	69	69	138
Rinse water consumption per wash cycle	[l]	4.4	4.7	4.7	7
Tank temperature	[°C]	60	60	60	60
Rinse temperature	[°C]	85	85	85	85
Dimensions					
Width	[mm]	870	775	775	1,468
Depth	[mm]	600	870	870	870
Depth with door opened	[mm]	1,070	1,295	1,375	1,375
Height	[mm]	820	1,720	1,880	1,880
Height (with energy)	[mm]	-	1,910	2,070	2,070
Rack interior dimensions	[mm]	630 x 465	612 x 672	612 x 672	1305 x 672
Circulating pump	[kW]	1.5	2.5	2.5	2 x 2.5
Tank heating standard / performance	[kW]	5.3 / 0	5 / 10	5 / 10	5 / 10
Boiler heating standard / performance	[kW]	5.3 / 0	10.2 / 16.4	10.2 / 16.4	10.2 / 16.4
Max water inlet temperature	[°C]	60	60	60	60
Required water flow pressure	[bar/kPA]	1 - 6	1 - 6	1 - 6	1 - 6
Required water flow pressure with Energy	[bar/kPA]	-	1.5	1.5	1.5
Splash guard		IPX5	IPX5	IPX5	IPX5
Weight (net / gross)	[kg]	105 / 120	190 / 220	200 / 230	305 / 355
Weight with Energy design net / gross	[kg]	-	225 / 255	235 / 265	350 / 400

SOFTWARE SETTINGS - UF SERIES				
UF Series theoretical capacity		Standard*1	Energy*1*2	High Temp*1*3
Universal, Baker, Butcher software [Racks / h]		40 / 24 / 12	40 / 24 / 12	20 / 15 / 10
Universal, Baker, Butcher software short programme [Racks / h]		64 / 42 / 23	64 / 42 / 23	-

*1 Depending on the on-site conditions

*2 Water inlet temperature < 20°C

*3 Minimum 25A fuse protection, tank and boiler heating performance 2, Rinse water volume UF-M/L: 5.5l/Rinse water volume UF-XL: 9L, Tank temperature 66°C, boiler temperature 85°C

ELECTRICAL DATA							
Voltage	Fuse Protection	Total connected load Standard Boiler 10.2kW / tank 5kW			Total connected load Performance Boiler 16.4kW / tank 10kW		Countries
		GS 630	UF-M / L	UF-XL	UF-M / L	UF-XL	
400V/3N ~ 50 Hz 400V/3N ~ 60 Hz	16A	-	9.4kW	8.8kW	-	-	Worldwide
	20A	-	10.0kW	10.0kW	-	-	
	25A	-	16.3kW	16.2kW	16.4kW	16.4kW	
	32A	-	17.5kW	17.4kW	18.8kW	18.8kW	
	40A	-	-	-	26.3kW	26.2kW	
415V/3N ~ 50 Hz 415V/3N ~ 60 Hz	16A	-	10.0kW	9.5kW	-	-	Worldwide
	20A	-	10.8kW	10.8kW	-	-	
	25A	-	17.4kW	17.1kW	17.7kW	17.7kW	
	32A	-	18.7kW	18.4kW	20.3kW	20.3kW	
	40A	-	-	21.1kW	28.1kW	28.1kW	
230V/3N ~ 50 Hz 230V/3N ~ 60 Hz	25A	-	9.4kW	8.7kW	-	-	Taiwan Philippines
	32A	-	9.9kW	9.9kW	-	-	
	40A	-	-	-	15.2kW	15.1kW	
	50A	-	-	-	17.7kW	17.6kW	
380V-415V/3N ~ 50-60 Hz	16A	7.1kW	-	-	-	-	Worldwide
230V/3 ~ 50-60 Hz	20A	6.6kW	-	-	-	-	Worldwide

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